

Converting Standard Shafts To Super Heavy Duty Double-Walled

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This involves fitting a gauge 8 shaft over the Standard Shaft, as depicted below.



As it comes 5" of gauge 10 shaft protrudes beyond the 1" of gauge 8. Adding 6" of gauge 8 over it makes a shaft length of up to 7" possible. The HD wiper adds to that.

You'll need to sort out shaft lengths so with the wiper attached, the overall length will put the elbow at the "sweet spot".

An issue is getting the 8 over the 10. If the fit is tight, you can wet sand the gauge 10 down in a power drill so it will readily telescope fit inside the 8. If you want to rigidly solder the assembly together, you need to then notch the larger tube for soldering. Generally follow the procedure detailed in the silver soldering document and at least get solder at the notches.

Another option is to size the tubes to length and then press fit on the larger one. Position vertically and progressively pound the larger one to where it butts the 1" piece. Avoid dinging up the brass hex end.